



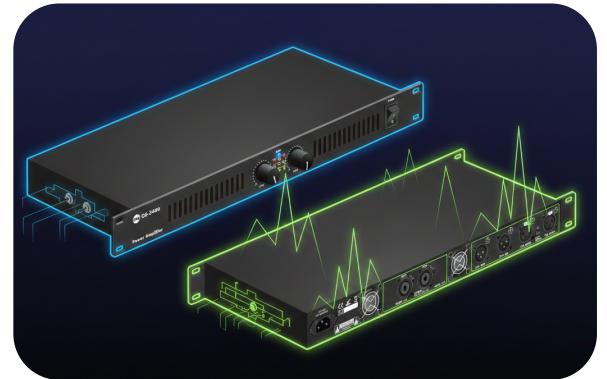
Two Channel Power Amplifier RL-Series (RL2100, RL2200, RL2300, RL2400).

The RL-Series power amplifiers are engineered for professional audio applications, including line array speakers, subwoofers, and fixed installation sound systems. Utilizing advanced Class-D technology, these amplifiers achieve a high energy efficiency rating of up to 85%, ensuring powerful output while generating minimal heat. The inclusion of a specialized PWM (Pulse Width Modulation) power supply guarantees extreme stability, low noise, and optimized cooling.

The series is versatile, supporting 8 Ω and 4 Ω loads with multiple operational modes, including Stereo, Parallel, and Bridge. To ensure reliability in "severe working environments," the units are equipped with a comprehensive protection suite covering signal clipping, high temperatures, overloads, and short circuits.

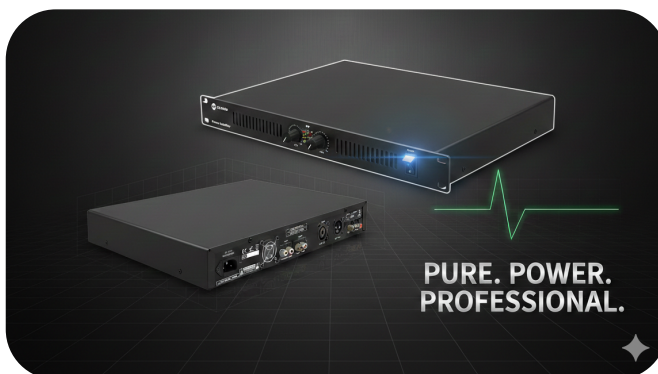
Series Introduction: The RL-Series Revolution

The RGB-S22 sets a new standard for meeting room audio by utilizing advanced digital decoding technology. Unlike standard mono or stereo conference speakers, this unit supports 5.1 channel audio playback. This creates a multi-dimensional soundstage where voices and multimedia content are spatially separated, providing an immersive and realistic experience that makes remote participants feel as if they are physically present in the room.



Core Technology: High-Efficiency Class-D Amplification

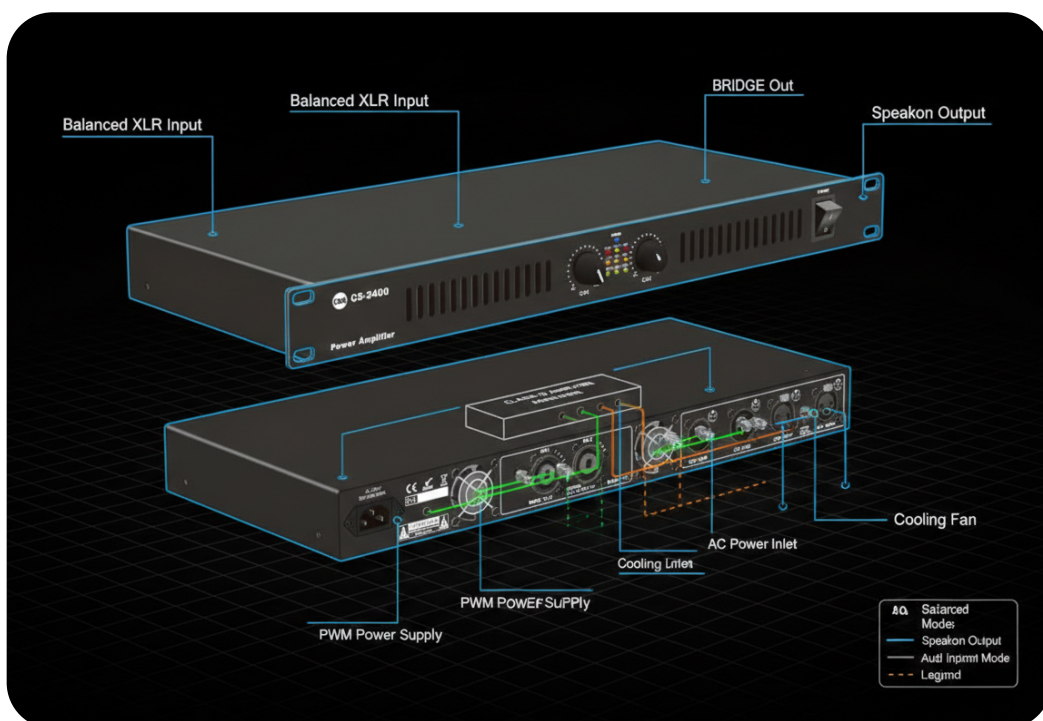
At the heart of every RL-Series amplifier is advanced Class-D technology. This allows the units to achieve a remarkable efficiency rating of up to 85%. By converting more power into sound and less into heat, the RL-Series delivers high-impact output while maintaining a cool operating temperature, significantly extending the lifespan of internal components.



To ensure signal integrity over long cable runs, the RL-Series utilizes balanced XLR male connectors for input. For power delivery, the rear panel is equipped with professional Speakon female connectors, providing a secure, high-current locking connection to your loudspeaker systems. Whether powering a line array system in a concert hall, a high-fidelity sound system in a corporate auditorium, or a subwoofer array in a club, the RL-Series provides the consistent, clean power required for professional results.

Power Management: Advanced PWM Power Supply

The series is equipped with a specialized Pulse Width Modulation (PWM) power supply. This ensures extreme electrical stability even during peak demand, reducing floor noise and harmonic distortion. The PWM design also contributes to the lightweight nature of the units, making them easier to manage in portable racks.



Key Features

- High Efficiency: Uses "Green Technology" Class-D amplification for 85% efficiency.
- Compact Design: 19-inch universal rack mount type with a slim 1U height profile.
- Power Stability: PWM special power circuit ensures excellent cooling and performance stability.
- Flexible Output: Supports stereo output at both 8Ω and 4Ω, with a mode selector for Stereo, Parallel, or Bridge configurations.
- Pro Connectivity: Features 2× Balanced XLR male inputs and 2× Balanced Speakon female outputs.
- Built-in Protection: Full circuitry protection against clipping, overheating, electrical overload, and short-circuiting.

Key Specifications

Specification:

Model	RL-2100	RL-2200	RL-2300	RL-2400
Description	Two Channel Power Amplifier			
Rated Output 4Ω	2×170W	2×350W	2×300W	2×600W
Rated Output 8Ω	2×100W	2×200W	2×200W	2×400W
Bridge Out 4Ω	1×330W	1×630W	1×900W	1×1000W
Bridge Out 8Ω	1×160W	1×330W	1×300W	1×630W
Frequency Response	20Hz~20KHz			
THD	<0.3%			
S/N Ratio	>105dB			
Input Impedance	20KΩ (bal.), 10KΩ (unbal.)			
Crosstalk	>75dB			
Connector	Input by XLR, 1V, 20KΩ (bal.), 10KΩ (unbal.)			
Power Supply	AC 100~240V, 50/60Hz			
Dimension	484×375×44mm			
Net Weight	2.6kg	2.6kg	2.6kg	3.0kg



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